NOVA SCOTIA AGRICULTURAL COLLEGE

REPORT OF THE PRINCIPAL

1984-1985

TRURO, N.S.

TABLE OF CONTENTS

	Page
Registration	2
Faculty of Instruction	3
Staff Changes	6
Courses Offered	8
Vocational Program	10
Autumn Assembly	12
Athletics in Review	17
Principal's List	23
Convocation	25
Special Events	31
Library Report	32
Seminar Program	34
Research	35
College Farm	39
Summer Conferences	42

FOREWORD

The year 1985 marked the 100th Anniversary of the founding of the first school of agriculture in Nova Scotia. This school came into existence by an Act of the Legislature in 1885 and was located at the Provincial Normal School in Truro. To commemorate this part of our history, Harvey W. MacPhee, retired Professor of History at the Nova Scotia Teachers College was commissioned to write a brief history of the School.. This history will be published in the near future by the College.

By coincidence, the first B.Sc.(Agr.) degrees were awarded to 43 students on May 1st by the President and Vice-Chancellor of Dalhousie University, Dr. W. Andrew MacKay. This came about as a result of an agreement signed on February 13, 1985 by Dr. MacKay, Dr. A. Gordon Archibald, Chairman of the Board of Governors, Dalhousie University, the Hon. Roger S. Bacon, Minister of Agriculture and Marketing and the Principal of the College, Dr. H. F. MacRae. The agreement provides an affiliation with Dalhousie, whereby students recommended by the College and approved by the Senate of Dalhousie for the award of Bachelor of Science (Agriculture) degrees would receive degrees in the names of both institutions. The agreement also provides for consideration of joint graduate programs.

The new extension to Cox Institute was occupied by the Departments of Chemistry-Soils, Biology, Mathematics and Physics in September, 1984.

Construction of the new Animal Science Building was delayed and did not begin as anticipated in 1984. Construction is now expected to begin in the Fall of 1985. This delay has created serious problems for the Animal Science Department and interim measures are planned in an attempt to meet teaching commitments until the new building is completed.

NOVA SCOTIA AGRICULTURAL COLLEGE

REGISTRATION
1984-1985

1st. Year B.Sc.(Agr.)	104	
2nd Year B.Sc.(Agr.)	74	
3rd Year B.Sc.(Agr.)	52	
4th Year B.Sc.(Agr.)	44	
Sub-Total B.Sc.(Agr.)		274
1st Year Engineering	14	
2nd Year Engineering	17	
3rd Year Engineering	4	
Sub-Total Engineering		35
1st Year Technicians	88	
2nd Year Technicians	84	
Sub-Total Technicians		172
1st Year Technology	28	
2nd Year Technology	24	
Sub-Total Technology		52
Special Students*	12	12
Total Full Time Students		545
Part Time Students	28	
Full Time Equivalent		10.5
Total Enrollment	573	
TOTAL FULL TIME EQUIVALENT		555.5

*Students not in a regular program leading to a degree or diploma.

FACULTY OF INSTRUCTION

COLLEGE YEAR 1984 - 85

Principal

H. F. MacRae, B.Sc.(Agr.) McGill,M.Sc.(McGill), Ph.D.(McGill)

Principal Emeritus

Kenneth Cox, B.S.A.(Toronto), M.S.A.(McGill), L.L.D.(McGill)

Vice-Principal

I. M. Fraser, B.Sc.(Dalhousie), M.A.(Maine)

Dean, Vocational and Technical Education

A.D. Ells, B.Sc.(Agr.)(McGill), M.A.(Acadia)

Registrar

P. Y. Hamilton, B.Sc.(Agr.)(McGill), M.Sc.(Maine)

Librarian

B. S. Sodhi, B.A.(Punjab),M.A.(Punjab), Dip. L.Sc.(Punjab)

Dean of Students - Chaplain

Rev. D. I. MacEachern, B.A.(Mt. Allison), M.Div.(Pine Hill)

Deans of Residence

J. M. Smith, B.P.Ed.(Dalhousie)

K. Greenwood

C. I. Gallagher

Director of Athletics

K. S. Marchant, B.P.Ed.(New Brunswick), M.S.(Springfield)

Placement Officer

D. E. MacLeod, B.A.(Dalhousie), B.Ed.(Acadia)

Agricultural Engineering

James Adams, B.Sc.(Strathclyde), M.Sc.(Reading) - Associate Professor
D.A. Allen, B.Sc.(Eng.)(Guelph), M.Sc.(Agr.Eng.)(Purdue)
Associate Professor
J. D. Cunningham, B.S.A.(Toronto), B.E.(Nova Scotia Technical College
M.A.Sc. (Technical University of Nova Scotia) -
Associate Professor
F. L. Desir, B.Sc.(Agr.Eng.)(McGill), M.Sc.(McGill) - Lecturer
P. L. Havard, B.Sc.(Agr.Eng.)(McGill), M.Sc.(McGill) - Assistant Professor
M. N. Rifai, M.Sc.(Nitra), Ph.D(Nitra) - Assistant Professor
S. A. Madani, B.Sc.(Bahlavi),M.Sc.(British Columbia), Ph.D.
(Washington) - Assistant Professor

Animal Science

L. M. Cock, B.Sc.(Agr.)(McGill), M.S.(Wisconsin), Ph.D.(Maine) -
Professor and Head
D. M. Anderson,B.S.A.(Manitoba), M.Sc.(Manitoba), Ph.D.(Saskatchewan) -
Associate Professor
M. L. Connor, B.Sc.(Agr.) (Guelph), M.Sc.(Manitoba), Ph.D.(Manitoba) -
Assistant Professor
D. C. Crober, B.Sc.(Agr.)(McGill), M.Sc.(McGill), Ph.D.(British Columbia)
Professor
A. H. Fredeen, B.S.A.(Saskatchewan), M.Sc.(Guelph), Ph.D.(California) -
Assistant Professor
P. Y. Hamilton, B.Sc.(Agr.)(McGill), M.Sc.(Maine) - Associate
Professor and Registrar
J. R. Long, D.V.M.(Toronto), M.S.(Cornell), Ph.D.(Guelph) - Sessioal
Lecturer from N. S. Dept. of Agriculture and Marketing
W. G. Mathewson, B.Sc.(Agr.)(Aberdeen),D.T.A.(Trinidad), M.Sc.(Aberdeen) -
Associate Professor
D. L. Patterson, B.Sc.(Alberta),M.Sc.(Guelph), Ph.D.(Guelph) -
Assistant Professor
T. Tennessen, B.A.(Alberta),B.Sc.(Alberta), M.Sc.(Alberta),
Ph.D.(Alberta) - Assistant Professor

Biology

L. A. McFadden, B.Sc.(Agr.)(McGill),M.Sc.(Cornell), Ph.D.(Cornell)
Professor and Head
A. E. Roland B.A.(Acadia), M.A.(Toronto), Ph.D.(Wisconsin D.Sc.(Acadia),
D.Sc.(Dalhousie), F.A.I.C. - Professor Emeritus
M. E. Neary, B.Sc.(Agr.)(McGill) - Professor Emeritus
L. E. Crosby, B.Sc.(Acadia), M.Sc.(Acadia) - Associate Professor
L. J. Eaton, B.Sc.(Acadia), M.Sc.(Dalhousie) - Associate Professor
A. B. Gray, B.Sc.(Bishops), M.Sc.(McGill) - Assistant Professor
J.-P. R. Le Blanc, B.A.(Montreal), B.Sc.(Quebec), Ph.D.(McGill) -
Assistant Professor
A. R. Olson, B.A.(Augustana), M.Sc.(Wisconsin), Ph.D. (Alberta) -
Associate Professor

M. G. Sampson, B.Sc.(Dalhousie), B.Sc.(Agr.)(McGill), M.Sc.(McGill) - Lecturer
G. W. Stratton, B.Sc.(Agr.)(Guelph)M.Sc.(Guelph), Ph.D.(Guelph) - Assistant Professor

Chemistry-Soils

H. M. MacConnell, B.Sc.(Agr.)(McGill), M.Sc.(McGill) Associate Professor and Head
W. M. Langille, B.Sc.(Acadia), M.Sc.(McGill) - Professor Emeritus
J. E. Hawley, B.Sc.(Agr.)(McGill) - Assistant Professor
K. S. MacLean, B.Sc.(Dalhousie), M.Sc.(McGill) - Associate Professor
H. F. MacRae, B.Sc.(Agr.)(McGill), Ph.D.(McGill) - Principal and Professor
J. C. Miller, B.Sc.(Agr.)(Guelph), M.Sc.(Alberta) - Lecturer
A. S. Payne, B.Sc.(Agr.)(McGill), M.Sc.(McGill) - Associate Professor
A. R. Robinson, B.Sc.(Agr.)(McGill), M.Sc.(McGill),Ph.D.(McGill) - Professor
P. R. Warman, B.Sc.(Agr.)(Rutgers), M.Sc.(Guelph), Ph.D.(Guelph) Associate Professor

Economics and Business Management

J. C. Tait, B.Sc.(Agr.)(McGill), M.Sc.(New Hampshire) Associate Professor and Head
D. E. Arnfast, B.B.A.(St. Francis Xavier) - Assistant Professor
A. D. Ells, B.Sc.(Agr.)(McGill), M.A.(Acadia) - Associate Professor
J. J. Brennan, B.Sc.(Agr.)(McGill), M.Sc.(Alberta) - Assistant Professor
K. G. Grant, B.A.(Acadia), M.A.(Western Ontario),Ph.D.(Western Ontario) - Assistant Professor
S. J. B. Stackhouse, B.Sc.(Agr.Ec.)(Guelph), M.Sc.(Guelph) - Associate Professor
Y. R. Surry, B.A.(Paris), M.A.(Paris), M.Sc.(Guelph) - Lecturer

Humanities

K. S. Marchant, B.P.Ed.(New Brunswick), M.S.(Springfield) - Associate Professor and Head
Parker Cox, B.A.(Acadia), M.A.(Toronto) - Professor Emeritus
Rev. D. I. MacEachern, B.A.(Mt. Allison), M.Div.(Pine Hill) - Associate Professor
D. E. MacLeod, B.A.(Dalhousie), B.Ed.(Acadia) - Assistant Professor
L. L. Sanderson, B.Sc.(Agr.)(Guelph), M.Sc.(Guelph) - Lecturer
P. M. Sanger, B.A.(Melbourne), B.Ed.(Acadia), M.A.(Victoria) - Associate Professor
J. M. Smith, B.P.Ed.(Dalhousie) - Assistant Professor

Mathematics and Physics

S. G. Smith, B.Sc.(Mt. Allison), M.Sc.(Windsor) - Associate Professor and Head
D. G. Bishop, B.Eng.(Agr.)(Technical University of Nova Scotia), M.Eng.(Agr.)(Technical University of Nova Scotia) - Assistant Professor
R. V. Buckler, B.Sc.(Acadia), B.Ed.(Acadia) - Assistant Professor
I. M. Fraser, B.Sc.(Dalhousie), M.A.(Maine) - Associate Professor and Vice-Principal
C. T. Madigan, B.Sc.(Windsor), M.Sc.(Windsor) - Associate Professor
V. L. Saxon, B.Sc.(Dalhousie),M.B.A.(Dalhousie),B.Ed.(Acadia), B.Eng. (Nova Scotia Technical College) - Associate Professor

Plant Science

R. K. Prange, B.Sc.(Acadia), M.Sc.(British Columbia), Ph.D.(McGill) - Professor and Head
J. E. Shuh, B.S.A.(Toronto), M.Sc.(McGill) - Professor Emeritus
J. S. Bubar, B.Sc.(Agr.)(McGill), M.S.(Pennsylvania State), Ph.D.(McGill) - Professor
C. D. Caldwell, B.Sc.(Mt. Allison), M.Sc.(Dalhousie), Ph.D. (East Anglia) - Assistant Professor
R. W. Daniels, B.Sc.(Agr.)(McGill), M.S.(Michigan State) Associate Professor - on leave
J. Fraser, B.Sc.(London), M.Sc.(Aberdeen), Ph.D.(Canterbury) Assistant Professor
T. H. Haliburton B.Sc.(Agr.)(McGill), M.S.(Cornell) - Associate Professor
W. J. Higgins, B.Sc.(Mt. Allison), M.S. in Ed.(Niagara) - Associate Professor
H-Y. Ju, B.Sc.(Agronomy)(Seoul),M.Sc.(McGill), Ph.D.(McGill) - Assistant Professor
J. Nowak, M.Sc.(Olsztyn), Ph.D.(Olsztyn), Ph.D.Habil(Olsztyn) - Associate Professor
K. Padmanathan, B.Sc.(Madras), B.Sc.(Agr.)(Colombia), M.Sc. (Pennsylvania State) Ph.D.(Pennsylvania State) - Professor
R. G. Robertson, B.Sc.(For.)(Aberdeen) - Sessional Lecturer from N. S. Dept. of Lands and Forests

STAFF CHANGES

A. H. Fredeen, B.S.A.(Saskatchewan), M.Sc.(Guelph), Ph.D.(California) was appointed Assistant Professor in the Animal Science Department.

K. G. Grant, B.A.(Acadia), M.A.(Western Ontario), Ph.D.(Western Ontario) was appointed Assistant Professor in the Economics and Business Management Department.

S. A. Madani, B.Sc.(Bahlavi), M.Sc.(British Columbia), Ph.D. (Washington) was appointed Assistant Professor in the Agricultural Engineering Department.

A. R. Olson, B.A.(Augustana), M.Sc.(Wisconsin), Ph.D.(Alberta) was appointed Associate Professor in the Biology Department.

T. Tennessen, B.A.(Alberta), B.Sc.(Alberta), M.Sc.(Alberta), Ph.D.(Alberta) was appointed Assistant Professor in the Animal Science Department.

Resignations

B. Emmanuel, B.S.(Agr.)(Heb. Jerusalem), M.Sc. (Univ. of Dublin), Ph.D.(Alberta) resigned from his position as Associate Professor in the Department of Animal Science in August, 1984.

Transfers

J. J. Brennan, B.Sc.(Agr.)(McGill), M.Sc.(Alberta) completed his educational leave and transferred to the Economics and Business Management Department.

Educational Leaves

P. L. Havard, B.Sc.(Agr.Eng.)(McGill), M.Sc.(McGill), Assistant Professor in the Agricultural Engineering Department is on educational leave until August 31, 1985.

COURSES OFFERED

DEGREE

A complete four-year course leading to a degree in Agricultural Sciences (B.Sc.[Agr.]) is offered with a choice of the following options:

Plant Science
Animal Science
Agricultural Economics
Plant Protection
Agricultural Chemistry/Soils
Agricultural Mechanization

Students can take other options without interruption by transferring to the third year of the B.Sc.(Agr.) program at Macdonald College of McGill University, the University of Guelph, the University of Maine or Faculty of Agriculture at another university.

Engineering students who successfully complete the three years of the Agricultural Engineering degree course can proceed to Macdonald College of McGill University or to the University of Guelph, or can apply to the Technical University of Nova Scotia or to another engineering faculty to complete their program of study.

Students who wish to take the three year Pre-Veterinary program to meet admission requirements of the Atlantic College of Veterinary Medicine at the University of Prince Edward Island must, after completing the first year, enter the Animal Science option and take a specific selection of subjects. The Pre-Vet program also serves as the first three years of the B.Sc.(Agr.) program, Animal Science option. For other options it may take more than one more year to complete the B.Sc.(Agr.) program.

TECHNICIAN

The following two-year programs of study are offered:

Agricultural Business
Agricultural Mechanization
Animal Science
Farm Equipment
Plant Science

TECHNOLOGY

The following two-year programs of study are offered:

Biology Laboratory Technology
Chemistry Laboratory Technology
Landscape Horticulture Technology

The following two-year programs are offered only to students who have successfully completed one year of a specified Technician Course (or equivalent):

Agricultural Engineering Technology
Farming Technology

Students in the Farming Technology Course spend eleven months (including summers) of their course work on farms. Seven of those months consist of structured training under a farmer/instructor.

Agricultural Technology

Agricultural Technology is a one-year program, tailored to meet the needs of the student. Only Technician graduates are eligible to apply for this course.

SUMMARY OF VOCATIONAL AND CONTINUING EDUCATION PROGRAMS

April 1, 1984 - March 31, 1985

Vocational courses have been designed to assist men and women enter or progress in farm or farm related careers. 41 courses were held with 905 persons enrolled, totalling 14,285 student training days. In addition to the above, 196 persons were enrolled on 4 home study courses.

The Canada Employment and Immigration Commission sponsored 440 persons by paying their tuition and on courses over 10 days duration a training allowance. Details on enrollment can be seen in the following tables:

PROVINCE	NUMBER OF STUDENTS			% OF TOTAL STUDENTS		
	1982-83	1983-84	1984-85	1982-83	1983-84	1984-85
Nova Scotia	663	427	709	77.8	63.6	78.3
New Brunswick	125	86	82	14.7	12.8	9.1
Prince Edward Island	43	27	36	5.0	4.0	4.0
Newfoundland	11	24	18	1.3	3.6	2.0
Other	10	107	60	1.2	16.0	6.6
Total # Enrolled	852	671	905			
Total # Graduated	804	614	854			
Total # Sponsored by Canada Employment	473	356	440			
Total Student Training Days	11,637	12,626	14,285			

In conducting these courses, college staff was supplemented by organizational and lecture assistance from many sources, with the Nova Scotia Department of Agriculture and Marketing being the major contributor. Guest instructors for many topics are recruited from various federal research stations, other federal and provincial government services, business firms and private entrepreneurs.

The following courses were offered from April 1, 1984 to March 31, 1985:

VOCATIONAL COURSES:

Horse Care Program
Draft Horse Shoeing Course
Farm Skills II Course
Basic Christmas Tree Production
Potato Production Technology
Introductory Agriculture
Draft Horse Shoeing
Fox Production Course
Tree Fruit Production Course
Dairy Farm Management Course
Blueberry Production Course
Basic Farm Welding
Preventive Maintenance and Preparation of Farm Machinery
Farm Management for the Part-Time Farmer
Meat Cutting Course
Farm Skills I Course
Swine Farm Management
Artificial Insemination Course
Farrier Course
Farm Accounting & Taxation
Dairy Herd Operation Course
Strawberry Production Course
Weed Identification, Control, Application and Safety
Turf Production Course
Floral Design
On-Farm Computing Course
Race Horse Shoeing Course
Grape Production Course
Landscape Construction Course

CONTINUING EDUCATION COURSES:

Asparagus Production Course
Basic Flower Arranging for the Home Course
Spanish Course
Basic Beekeeping
Home Gardening
Novel Food Crops for the Maritimes Course
You and the Home Computer
Berry & Tree Fruit Production
Pet Health Course
Introductory Beekeeping

HOME STUDY COURSES:

Chain Saw Home Study Course
Soil Management Home Study Course
Sheep Home Study Course
Vegetable Home Study Course

AUTUMN ASSEMBLY

Autumn Assembly, which is held annually to present awards and scholarships to students, took place on October 3, 1984. Mr. Gary S. H. Selig, B.Sc.(Agr.) Agricultural Missionary in Zaire, Africa addressed the Assembly in the Alumni Theatre.

GENERAL SCHOLARSHIPS

N. S. Department of Agriculture and Marketing Scholarships, $1500
Craig Kent, R. R. #1, Truro
Catherine Palmer, Horne Settlement Rd., Enfield
Helene Van Doninck, 631 George St., New Waterford

The A.C. Neish Memorial Trust Scholarship $1000
Angus Ells, R. R. #5, Canning, N.S.

The Atlantic Fertilizer Institute Scholarship, $1000
Carl Duivenvoorden, Jacquet River, N.B.

Canada Packers Scholarship, $1000
John Earle, 59 Bennett Drive, Gander, Nfld.

Canadian National Exhibition Scholarship, $1000
Sarah Bowers, R.R. #4, Shubenacadie, N.S.
Carl Duivenvoorden, Jacquet River, N.B.

The Nova Scotia Institute of Agrologists, $1000
Janice Foster, R.R. #3, Middleton, N.S.

The Nova Scotia Agricultural College Alumni Assoc. $900
Shauna Billard, R.R. #3, Georges River, N.S.
Allen MacLeod, 59 Dolbin St., Sydney, N.S.

The Atlantic Fertilizer Institute Scholarship, $500
Darby Mullen, R.R. #2, Weymouth, N.S.

Beaver Foods Limited Scholarships, $500
John Suidgeest, R.R. #2, Shubenacadie, N.S.
Kenneth Rockey, R.R. #3, Merigomish, N.S.

The Ernest L. Eaton Scholarships, $500
John DeLong, 116 Athabaska Ave., Riverview, N.B.
Elizabeth Hale, 201 Clark St., Summerside, P.E.I.

Women's Institute Scholarship, $500
Laurel Bartlett, R.R. #2, Truro, N.S.

Col. Charles H. Coll Memorial Scholarship, $500
Heather Wilson, 6 Beechwood Terrace, Halifax, N.S.

The Benny Duivenvoorden Memorial Scholarship, $500
Wilma Schenkels, Red Bank, N.B.

New Brunswick Poultry Council Scholarship, $450
Penelope Bonang, R.R. #1, Ellershouse, N.S.

The Canadian Feed Industry Assoc.(Atlantic Division) Scholarship, $400
Juanita Diamond, R.R. #1, Winsloe, P.E.I.

N. S. Federation of Agriculture Scholarships, $300
Janice Giles, 22 Hingley Ave., Truro, N.S.
Kirk Saint, R.R. # 1, Eureka, N.S.

Ira L. Rhodenizer Memorial Scholarship, $300
Marianne Ward, R.R. #1, Granville Ferry, N.S.

Co-op Atlantic Scholarship, $300
Carl Duivenvoorden, Jacquet River, N.B.

The Donald E. Clark Memorial Scholarship, $300
Ian MacKinnon, R.R. #5, Truro, N.S.

Atlantic Provinces Hatchery Federation Scholarship, $300
Heather Wilson, 6 Beechwood Terrace, Halifax, N.S.

Atlantic Provinces Hatchery Federation Scholarship, $200
Roger Love, R.R. #1, Mouth of Keswick, N.B.

New Brunswick Poultry Council Scholarship, $200
Rebecca Steeves, Woodstock, N.B.

Cobequid Dog Club, $200
Penelope Bonang, R.R. #1, Ellershouse, N.S.

The A.W. Mackenzie Scholarship, $150
Marianne Ward, R.R. #1, Granville Ferry, N.S.

The Vice-Principal's Scholarship
Barbara Daniels, R.R. #3, Windsor, N.S.

The Dorothy Creelman Cox Scholarship
Karen Williams, 16 Killarney Rd., Riverview, N.B.

The Dr. Kenneth Cox Scholarship
Leonard North, Canning, N.S.

PROVINCIAL SCHOLARSHIPS

NEW BRUNSWICK (Degree)

$700 Anne Carr, R. R. # 4, Sussex
Carl Duivenvoorden, Jacquet River
Daniel Gehrken, Havelock
Lise LeBlanc, 74 Muncey Drive, Riverview
Christine Murray, R.R. # 3, Oromocto
Wilma Schenkels, Red Bank
Lisa Totton, R.R. # 1, Norton
Heidi Turner, R.R. #2, Newcastle
Karen Williams, 16 Killarney Rd., Riverview

$500 Claire Adams, R.R. # 2, Hampton
Andrew Boyer, Perth-Andover
Suzanne Bulman, 10 Shibu Court, Fredericton
Lisa Curwin, 25 Emery St., Riverview
Jane Duivenvoorden, Jacquet River
Michael Grimmer, 2484 Candale St., Saint John
Robert Keith, Havelock
Emery Leger, Shediac
Tracey Norwood, 167 Highland Rd., Saint John
Kimberly Parker, Westfield P.O.
Karen Rodgers, R.R. # 2, Hampton
Helen Sampson, R.R. # 3, St. Stephen
Ward Smith, Florenceville

$250 Catherine Chown, R.R. #1, Belleisle Creek
Gwendolyn Petherick, 301 Ayer Ave., Moncton

NOVA SCOTIA (Degree)

$1000 Jeffrey Allen, R.R. # 2, Centreville
Ira Andrews, Guysborough
Esben Arnfast, 57 Pictou Road, Truro
Ronda Bellefontaine, R.R. # 2, Middle Musquodoboit
Ian Blenkharn, R.R. #3, Saltsprings
Lloyde Blois, R.R. # 1, Elmsdale
Sarah Bowers, R.R. #4, Shubenacadie
Sherri Coldwell, Trenton
Barbara Daniels, R.R. # 3, Windsor
Bernadette Donovan, Gillis Rd., New Victoria
Angus Ells, R.R. # 5, Canning
Janice Foster, R.R. # 3, Middleton
Janice Giles, 22 Hingley Ave., Truro
Sandra Hall, 28 Roblea Dr., Dartmouth
Russell Hogue, R.R. # 1, Hubbards

Eric Jackson, R.R. # 2, Upper Stewiacke
Gregory Jones, 22 Pauline Crescent, Dartmouth
Kevin McCully, Great Village
Leonard North, Canning
Glenna Parsons, 112 Ridgeview Dr., Lr. Sackville
David Patterson, Lakecrest Dr., Dartmouth
Gloria Sears, Wood Harbour
Sharon Sheppard, R.R. #1, Gabarus
Colleen Simms, 5223 Artz Street, Halifax
John Sipos, 248 Pictou Road, Truro
John Suidgeest, R.R. # 2, Shubenacadie
Cherryl Vaughan, 3 Marsha Ave., Yarmouth
Marianne Ward, R.R. # 1, Granville Ferry
Elizabeth Wardrop, R.R. # 4, Pugwash

$500 Veronika Brandt, R.R. # 1, Merigomish
Diane Dunlop, 14 Archibald St., Truro
Ian MacKinnon, R.R. # 5, Truro
Janice MacLean, 38 Johnson Ave., Truro
Constance Priest, Belmont
Merridy Robinson, Stewiacke
Constance Starratt, 30 Windale Dr., Truro
Margareta Van de Riet, R.R. # 1, Shubenacadie
Heather Wilson, 6 Beechwood Terrace, Halifax

PRINCE EDWARD ISLAND (Degree)

$700 Irene Joostema, R.R. # 6, Kensington

$600 Juanita Diamond, R.R. # 1, Winsloe
Paul MacDonald, R.R. #4, St. Peter's Bay
Loretta O'Shea, R.R. # 5, Charlottetown

$500 Darren Baglole, Freetown
Peter Boswall, R.R. # 3, Marshfield
Andrew Kelly, R.R. # 3, Mount Stewart
Laurene Power, R.R. # 5, Charlottetown
Peter Smith, 37 Pine Drive, Sherwood

NEWFOUNDLAND (Degree)

$700 Nancy Butt, Springdale
Liesl Bland, Grand Falls
Cynthia MacDonald, 24 York Ave., Stephenville

TECHNICIAN & TECHNOLOGY

NOVA SCOTIA

$200 Shauna Billard, R.R. # 3, Georges River
Lise Cohrs, 8 Rosemount Ave., Halifax
Dianne Crawford, R.R. # 2, Middleton
Michael Halverson, 8 Willow Lane, Truro
Sarajane MacIntosh, R.R. # 2, Hampton
Allen MacLeod, 59 Dolbin St., Sydney
Darby Mullen, R.R. # 2, Weymouth
Susan Penney, R.R. # 4, New Germany
Kenneth Rockey, R.R. # 3, Merigomish

BURSARIES

Farm Credit Corporation Bursary, $1000
Esben Arnfast, 57 Pictou Road, Truro, N.S.

David W. Brown Bursary, $500
Jane Duivenvoorden, Jacquet River, N.B.
John Murray, 36 Crescent Drive, Truro, N.S.

Co-op Atlantic, $200
Michael Bouma, R.R. # 1, Robertville, N.B.
Dianne Crawford, R.R. # 2, Middleton, N.S.
Traci Curry, R.R. # 2, Falmouth, N.S.

Farm Focus Bursary, $200
Karen Williams, 16 Killarney Rd., Riverview, N.B.

Dr. Robert G. Rix Family Farm Bursary, $200
Scott Hamlin, R.R. # 1, New Ross, N.S.

The Edith Main Memorial Bursary, $100
Crystal Mullen, R.R. # 2, Weymouth, N.S.

PRIZES

King Grain - Gerry Smeltzer Award, $100
Charlotte Wilson, R.R. # 1, Stanley, N.B.

The Roy H. Stevenson Prize in Mathematics & Physics, $100
Toufic El Doueihi, Lebanon

The Lorne C. Callbeck Prize, $50
Karen Williams, 16 Killarney Rd., Riverview, N.B.

The H.J. Fraser Memorial Prize in English
Helen Archibald, R.R. # 5, New Glasgow, N.S.

Landscape Atlantic Award
Lise Cohrs, 8 Rosemount Ave., Halifax, N.S.

ATHLETICS IN REVIEW

The Nova Scotia Agricultural College Rams continued their participation in the Nova Scotia College Conference. Representative teams participated in the Conference competitions.

Soccer	-	women and men
Volleyball	-	men
Basketball	-	women and men
Badminton	-	women and men
Hockey	-	men
Cross-Country Run	-	women and men
Cross-Country Ski	-	women and men

The woodspersons' teams, 1 women's and 2 men's teams, participated in the annual meets at U.N.B. and Macdonald College.

SOCCER (Women)

Soccer season began with the start of classes in September. Preparing diligently for a week, the squad faced their first test against Brookfield High School and finished the contest on top 5-1. Unfortunately the trend did not continue to league contests. The girls were much more competitive than '83 in terms of play, but lacked the finesse to finish off many fine field plays. Their league record was 0-7-1 (win-loss-tie) and exhibition play resulted in an overall record of 3-10-1.

The squad was comprised of six first-years, six second-years and two third-year veterans. Leading the rookies were Heather Stevens and Wilma Schenkels (1984 Rookie Award Winner), both of whom have good athletic ability and both acquired the basic skills very quickly. Other promising rookies included Beth Sheppard, Michelle Jordon and Belinda Lee. Sheppard excelled in the mid-field and improved greatly over the season, while Jordon and Lee, although plagued by injuries, showed potential and a great deal of desire.

Scoring for the Rams was distributed well. Maureen McInnis (1984 Team M.V.P.) led in league and exhibition play, while other contributors to the offense included Margot van de Riet, Heather Stevens, Wilma Schenkels, Janet Jounker (1984 Most Improved Player) and Heather Prudence.

Although the girls failed to make a league play-off spot, the opposition were tested every outing and the A.C. girls, although bothered by injuries, showed good improvement over 1983 as well as during the season. 1985 will be even better.

SOCCER - (Men)

Initially, seventeen hopefuls tried out for the Rams soccer squad. Following the first week of practice, Coaches Marchant and MacRae cut the team to thirteen players which included six returnees and seven rookies. Following a disastrous start and losing the first three games - being outscored 16-3, the blue and gold squad turned things around and won their next five games with Peter Saroufim, Walter Termeer and Joe Doueihi leading the offensive attack.

Strong on the defense were Paul Richardson, Mike Steen and Doug Howe. Raymond MacKenzie played strong in goal and gained more confidence during the mid-season play.

The Rams ended the season with a 5-5 record and advanced to the play-off round against U.C.C.B. The Rams dropped a 2-1 decision to the Capers, thus ending the season.

Top Scorers		Awards	
Peter Saroufim	3	M.V.P.	- Mike Steen
Walter Termeer	3	Rookie	- Victor Oulton
Joe Doueihi	3	M.I.P.	- Walter Termeer
Jim Keen	2		

Nova Scotia College Conference All-Conference Selections:

Forward - Peter Saroufim
Back - Mike Steen

VOLLEYBALL (Men)

The men's volleyball squad saw tremendous improvement over the previous season and within the 1984-85 year. Returnees Danny LeBlanc, Walter Termeer (Most Improved Player), Mike Beck and Carl Duivenvoorden were keen to improve upon their Conference debut of 1983-84 and with the quality of rookies this year they were not disappointed.

Rookies Bill Travis (Team M.V.P.), Dennis Frazier, Chuck Smith and Brian Burgess added hitting power and overall volleyball experience.

By February the group was performing very well and looked good to challenge for the Championship. However, following mid-term break, play deteriorated and the team failed to make the final four.

Prospects look extremely good for next year as the volleyball program continues to improve at N.S.A.C.

Coach - Steve Myette
M.V.P - Bill Travis
Rookie - Dennis Frazier
M.I.P. - Walter Termeer

WOMEN'S BASKETBALL

The Rams began the 1984-85 schedule in fine fashion with two exhibition wins, defeating the Alumni 42-40 and a local ladies' team 54-33. By mid-November, and the beginning of league play, the squad had dwindled to seven players who continued to carry the colours in all pre-Christmas contests.

In the new year, additional recruits brought the team contingent back up to eleven and the team began the process of preparing for finals.

In league play, the girls finished the season with a 7-9 (win-loss) record and fourth spot. Leading the Rams throughout the year were All-Conference Selections, Margot van de Riet and Donna Noble. Van de Riet, top rebounder for the Rams and second in N.S.C.C. scoring, was consistent with a 17.1 points per game average; while Noble (1984-85 M.V.P.) had 10.9 points per game and led the team defensively. Ronda Bellefontaine, Kate Broadbent and Kim Smith (co-winner of the 1984-85 Most Improved Player Award), Diane Dunlop and Janet Younker did a fine job coming off the bench for good performances, while rookies Kathy Collins (1984-85 Rookie of the Year award winner), Lisa Curwin and Debbie Archibald showed great potential for next season.

The Rams' exhibition record was 8-4, including second place finishes in their own Invitational Tournament and the U.N.B.-Saint John Invitational.

Having finished in 4th, the girls faced the N.S.T.C. Hawks in the first round of the play-off tourney. Showing lots of desire, hustle and skill, the girls were down by only 4 points with two minutes remaining when two costly turnovers swung the momentum in T.C.'s favour. Losing by eight, the Rams finished the season with their best game.

MEN'S BASKETBALL

This year's edition of the Rams started with thirteen players, and by the new year was down to ten. The pre-Christmas schedule was rather disastrous, losing all league games from 14-30 points. Joining the team for the first time were rookies Curtis Cox, Jonathan Fuller and John Robinson. Returnees included Co-Captains Esben Arnfast and Brian MacLeod, along with Paul Arnfast, Jim Slipp, Don Langille and Jeff Kay. Fourth-year player, Dean Schofield, returned to the line-up in the new year and added that extra experience and discipline which helped the Rams in the strong competitive league.

The post-Christmas play of the Rams improved immensely. Although only winning two league games, they closed the gap on all teams and showed the most improvement of any team in the league.

Steve Saunders, an All-Conference defenseman, led the defense which improved tremendously with each game.

Ron MacDonald handled the majority of the goaltending and proved to be extremely sharp in important games.

Completing their studies at N.S.A.C. were seniors Kevin McCully, Peter Smith, Greg Jones, David Harvey, Brian MacDonald and John van der Linden. The Athletic Department extends to them an expression of thanks for their contribution and we wish them success in their endeavours.

CROSS-COUNTRY RUNNING

The 1984 Fall season saw the emergence of a new activity for N.S.A.C. - Cross Country. The group assembled, and after a number of initial practice sessions, obtained the expertise of Dave Currie to coach the remainder of the season The first run was the N.S.C.C. Championship at which the girls placed first and the men's team, second. The team took part in several other invitational runs and the prospects for continuing the program are excellent for 1985-86.

CROSS-COUNTRY SKIING

The Cross-Country Ski Team participated in the Annual Woodstock-Fredericton 100 K Marathon. N.S.A.C. were returning as defending Champions of the College/University Division. They worked hard on conditioning and ski tours following the Christmas break in order to prepare themselves for the two-day event held February 2-3.

Two teams entered the event and Team "A" was successful in defending the Championship.

Team "A"	Team "B"
Ron White	Ron Manning
Carl Duivenvoorden	Shelly Roode
Victor Oulton	Terry Jones
Lloyd MacLean	Paul Kittilsen

WOODSPERSONS

An enthusiastic group once again represented N.S.A.C. at two meets in 1984-85 - U.N.B. in October and Macdonald College in January. Results of both showed the hard work that had been done in preparation.

Completing four years of varsity competition were seniors Esben Arnfast and Dean Schofield. An expression of thanks is extended to Esben and Dean for their contribution.

Scoring

Esben Arnfast, 305 points (16 games) 19.06 (game avg.) (4th in NSCC)
Brian MacLeod, 221 points (16 games) 13.8 (game avg.) (10th in NSCC)

Awards

M.V.P. - Esben Arnfast
Rookie - Curtis Cox
M.I.P. - Jeff Kay

An expression of thanks is extended to Kim Keen for looking after the statistics and managerial responsibilities.

BADMINTON

A full contingent represented N.S.A.C. at Nova Scotia College Conference Badminton events in 1984-85. Coached by rookie Fred Works, the group enjoyed a successful season with several categories challenging for top spot in the Conference. The Nova Scotia College Conference Championships were held at N.S.A.C. and, while all members played well, Ward Smith was the sole representative who qualified for National play in Saskatoon, Saskatchewan, in men's singles. Faced with tough competition Ward won a number of games, but failed to win a match. The experience, however, will be valuable in future years.

M.V.P. - Ward Smith
Rookie - John Suidgeest
M.I.P. - Glenda Hunter

HOCKEY

The N.S.A.C. Rams made an impressive return to the Nova Scotia College Conference hockey league posting a 6-0 win/loss record in regular season play against N. S. Teachers' College, Kings College and Mount Saint Vincent University.

With an overall record of 9 wins, one tie and one loss, the Rams played a sudden-death game against the U.C.C.B. in the Championship game. In the emotion packed contest, the Rams were defeated 11-3, but the game was the highlight of a very successful year.

Peter Smith (team M.V.P., captain, and All-Conference forward) led a well-balanced attack of scoring power.

Coached by Rick Russell, the three teams (2 men's, 1 women's) finished in the top 10 at both meets.

M.V.P. (men) - John van der Linden
M.V.P. (women) - Blanche Kennedy
Rookie (men) - Andy Spence
Rookie (women) - Margaret Mann

PRINCIPAL'S LIST

On Monday, March 11, Dr. H. F. MacRae entertained sixty-three students of the Nova Scotia Agricultural College at a dinner given in their honour at the Riverview Room. The Principal's List honours those students who have achieved academic excellence at the College.

The guest speaker was Mr. Earl R. Kidston, President of the Nova Scotia Federation of Agriculture.

Each student was presented with a plaque in recognition of his/her achievement.

NOVA SCOTIA

Douglas Anderson, R.R. # 3, Baddeck
Ira Andrews, Guysborough
Esben Arnfast, 57 Pictou Road, Truro
Ian Blenkharn, R.R. # 3, Saltsprings
Veronika Brandt, R.R. # 1, Merigomish
Lynne Cameron, Margaree Forks
Lise Cohrs, 8 Rosemount Avenue, Halifax
Sherri Coldwell, R.R. # 2, Westville
Kathleen Collins, R.R. # 1, Truro
Carmen Comeau, Weymouth
Barbara Daniels, R.R. # 3, Windsor
Darren Davidson, R.R. # 1, Wolfville
Danny Dill, 400 College Road, R.R. # 1, Windsor
Siegmar Doelle, Granville Beach
Angus Ells, R.R. # 5, Canning
Janice Foster, R.R. # 3, Middleton
Janice Giles, 22 Hingley Avenue, Truro
Michael Halverson, 8 Willow Lane, Truro
Margaret Hope-Simpson, Wolfville
Gregory Jones, 22 Pauline Crescent, Dartmouth
Craig Kent, R.R. # 1, Truro
Larry Lutz, R.R. # 1, Berwick
Darby Mullen, R.R. # 2, Weymouth
Floris Mullen, R.R. # 2, Weymouth
Brian MacCulloch, 341 Branch Street, New Glasgow
Sarah MacDonald, 262 Brunswick Street, Truro
Janice Maclean, 38 Johnson Avenue, Truro
Allen MacLeod, 59 Dolbin Street, Sydney
Leonard North, Canning
Catherine Palmer, Horne Settlement Road, Enfield
Susan Penney, 121 Young Street, Truro
Connie Priest, Belmont
Bruce Roberts, 48 Burris Drive, R.R. # 3, Truro

Kenneth Rockey, R.R. # 3, Merigomish
John Sipos, 248 Pictou Road, Truro
Kathleen Swan, R.R. # 2, Debert
Marlene Thompson, 1333 Park Vic., Halifax
David Tully, 21 Maple Avenue, New Glasgow
Margot Van de Riet, R.R. # 1, Shubenacadie
Helene Van Doninck, 631 George Street, New Waterford
Elizabeth Wardrop, R.R. # 4, Pugwash

NEW BRUNSWICK

Sharon Anderson, R.R. # 2, Sussex
Peter Brown, R.R. # 6, St. Stephen
Suzanne Bulman, 10 Shibu Court, Fredericton
Anne Carr, R.R. # 4, Sussex
Lisa Curwin, 25 Emery Street, Riverview
Carl Duivenvoorden, Jacquet River
Suzanne LeBlanc, 203 Cedar Street, Moncton
Christine Murray, R.R. # 3, Oromocto
James Slipp, R.R. # 2, Woodstock
Heidi Turner, R.R. # 2, Newcastle
Karen Williams, 16 Killarney Road, Riverview

PRINCE EDWARD ISLAND

Roy Coffin, R.R. # 4, Mount Stewart
Juanita Diamond, R.R. # 1, Winsloe
Elizabeth Hale, 201 Clark Street, Summerside
Paul MacDonald, R.R. # 4, St. Peter's Bay
Carl Picketts, R.R. # 4, Kensington

NEWFOUNDLAND

Liesl Bland, Grand Falls
John Earle, 59 Bennett Drive, Gander
Kimberly Thistle, R.R. # 1, Corner Brook

CONVOCATION

The first Convocation Exercises were held on Wednesday, May 1, 1985 at the Athletic Centre. For the first time in the history of N.S.A.C. B.Sc.(Agr.) degrees were granted through Dalhousie University. It was only fitting that the guest speaker for the occasion was Dr. W. Andrew MacKay, President and Vice-Chancellor of Dalhousie University. The winners of the Governor-General's Medals were Esben Arnfast, Degree Student and Lise Cohrs, a Technical Student. Other awards were presented to Laurene Power and Holly Bourque, Atlantic Provinces Swine Producers Award; Merridy Robinson, Ketchum Manufacturing Company Ltd. Prize; Norma Webster, Brewery Market Award; and Lise Cohrs, K. DeGeus Memorial Prize for Plant Science. The valedictory address was delivered by Leonard North.

BACHELOR OF SCIENCE IN AGRICULTURE DEGREES

AGRICULTURAL ECONOMICS

With High Honours

Esben Earle Arnfast, Truro, N. S.

With Honours

Ronda Ruth Bellefontaine, Middle Musquodoboit, N. S.

Ruth Marlain DeMone, Charlottetown, P. E. I.
Diane Marion Dunlop, Brookfield, N. S.
A. Findlay MacRae, Wolfville, N. S.
Fern Louise Patterson, Walton, N. S.
Margareta van de Riet, Shubenacadie, N. S.

ANIMAL SCIENCE

With Honours

John R. Earle, Jr., Gander, Newfoundland

Juliane Elizabeth Burton, Berwick, N. S.
Carmen Marie Comeau, Weymouth, N. S.
Donald Joseph Cooper, Cleveland, N. S.
Sylvia Lynn DeChamp, Summerside, P. E. I.
Timothy Shawn Delaney, Dartmouth, N. S.

Heidi Elizabeth Foster, Greenwood, N. S.
Pamela Ann Grace, Lower Sackville, N. S.
Randall W. Murphy, Scotch Village, N. S.
Laurene Theresa Power, Charlottetown, P. E. I.
Merridy Anne Robinson, Stewiacke, N. S.
Peter MacPhail Smith, Sherwood, P. E. I.
Darlene Marie Stevenson, Middleton, N. S.
Heather Anne Wilson, Halifax, N. S.

PLANT PROTECTION

With High Honours

Leonard Harris North, Canning, N. S.
John Anthony Sipos, Truro, N. S.

With Honours

Peter Brown, St. Stephen, N. B.
Gregory Stephen Jones, Dartmouth, N. S.
Irene Michele Joostema, Kensington, P. E. I.
Kevin Vernon McCully, Great Village, N. S.

Jeffrey Damon Carter, Debert, N. S.
Marcel Joseph Dawson, Dieppe, N. B.
Margaret Noreen Ells, Canning, N. S.
Ann Marie Langille, Springhill, N. S.
Karen Marie Ryan, Flat River, P. E. I.
Elizabeth Ann Wardrop, Pugwash, N. S.

PLANT SCIENCE

With High Honours

Barbara Jean Daniels, Windsor, N. S.
Charles Angus Ells, Canning, N. S.

With Honours

Michael Christopher Schaad, Tatamagouche, N. S.

Donald Ralph Christie, Truro, N. S.
James Lyle Stuart Johnson, Sydney, N. S.
Andrew John Kelly, Mount Stewart, P. E. I.
Larry Hardy Lutz, Berwick, N. S.
Janice Lee McKenzie, Truro, N. S.
Shari Elizabeth Schurman, Summerside, P. E. I.
Constance Elizabeth Starratt, Truro, N. S.

AGRICULTURAL ENGINEERING DEGREE - DIPLOMAS

With Honours

Ian Roderick MacKinnon, Truro, N. S.

Robert John Gordon, Dartmouth, N. S.
Dale Jeffrey Hebb, Centreville, N. S.
Roger Gordon Kinsman, Truro, N. S.
Keng-Wei Sim, Malaysia

TECHNICIAN DIPLOMAS

AGRICULTURAL BUSINESS

With High Honours

Darby Lee Mullen, Weymouth, N. S.

Paul David Arnfast, Truro, N. S.
Linda Louise Betts, Truro, N. S.
Gerrit-jan Boonstoppel, Prince William, N. B.
Alain Leonard Comeau, Meteghan River, N. S.
Anthony Charles George, Brookfield, N. S.
Byron Alexander Lamb, Berwick, N. S.
Randall Steven Langille, Tatamagouche, N. S.
Cynthia Ellen MacLeod, Penobsquis, N. B.
John Kent Marchbank, Summerside, P. E. I.
Kevin Ernest Nauss, Berwick, N. S.
Dean Gregory Schofield, Hantsport, N. S.
Steven van der Veen, Kensington, P. E. I.
Norma Elsie Webster, Penobsquis, N. B.

AGRICULTURAL MECHANIZATION

Kevin Harold Cox, Victoria, N. B.
Jonathan Percival Langille, Wallace, N. S.

ANIMAL SCIENCE

With High Honours

Susan Louise Penney, New Germany, N. S.

With Honours

Kimberley Anne Best, Cambridge Station, N. S.
Holly Ann Bourque, Sydney, N. S.
Carol Lee Corbett, Five Islands, N. S.
Darren Edwin Davidson, Wolfville, N. S.

Edwina Darlene Beals, Middleton, N. S.
Arnold Joseph Hagen, Breadalbane, P. E. I.
Dana Neil Hicks, Havelock, N. B.
Marion Nancy Jennings, Debert, N. S.
Roger Kenneth Love, Mouth of Keswick, N. B.
John Paul MacDonald, Mount Stewart, P. E. I.
Marvin Isidore Peters, Kensington, P. E. I.
Patrick Hance Rushton, Oxford, N. S.
Bruce Lloyd Sinclair, Goshen, N. S.
Donna Lee Steeves, Moncton, N. B.
Marlene Aldora Anne Teasdale, West River, N. S.
Barbara Ann van Egmond, Moncton, N. B.

FARM EQUIPMENT

Timothy Joseph Deveau, Kingston, N. S.
Alastair James Mathewson, Truro, N. S.
Perry Wallace Milner, Nappan Station, N. S.
Craig Robert Nichols, Aylesford, N. S.

PLANT SCIENCE

With Honours

Anthony Matthew Smith, Oromocto, N. B.
Charlotte Lois Wilson, Stanley, N. B.

Kimberly Anne Allaby, Westfield, N. B.
Michael Wayne Beck, Wilmot Station, N. S.
Darwin Clayton Carr, Oromocto, N. B.
Arthur Glen Crane, Sydney, N. S.
Donna Darlene Cross, Brooklyn, N. S.
Charles Allison Culberson, Woodstock, N. B.
Pamela Joan Currie, Fredericton, N. B.
Monique Marie Gallant, Rogersville, N. B.

Donald Robert MacDonald, Port Hood , N. S.
Paula Marie McAllister, Millerton, N. B.
Kathleen Anne Mary Murphy, Boutilier's Point, N. S.
Hugh Grant O'Brien, Lower Sackville, N. S.
Anthony Stephen Pickard, Bath, N. B.
Ivan Barrington Reid, Norton, N. B.
Patricia Janet Stacey, Goulds, Newfoundland
Connie Ann Stewart, Oxford, N. S.
Walter Termeer, Kensington, P. E. I.

DIPLOMAS OF TECHNOLOGY

AGRICULTURAL TECHNOLOGY

With Honours

Phyllis Margaret Cummings, Antigonish, N. S.
Gina Norene MacDonald, Pictou, N. S.

Karin Nerida Robertson Chodakowski, Grand Pre, N. S.
Michel Joseph Mazerole, Richibouctou, N. B.
Eva Marie McDow, Falmouth, N. S.

BIOLOGY LABORATORY TECHNOLOGY

With High Honours

Roy Everett Coffin, Mount Stewart, P. E. I.
David William Tully, New Glasgow, N. S.

Marion Nancy Jennings, Debert, N. S.
Belinda Lee, Halifax, N. S.
Sonja May Williams, Fredericton, N. B.

CHEMISTRY LABORATORY TECHNOLOGY

With Honours

Douglas Wilson Anderson, Baddeck, N. S.

Leonard Warren McBurnie, Economy, N. S.
Sandra Lynn McGuire, Millville, N. B.

FARMING TECHNOLOGY

With High Honours

Tobias Kirk Saint, Paradise, Newfoundland

Brian Kenneth Gazeley, Bedford, N. S.
Scott Owen Hamlin, New Ross, N. S.
John Edward Murray, Truro, N. S.

LANDSCAPE HORTICULTURE TECHNOLOGY

With High Honours

Lise Ann Cohrs, Halifax, N. S.

Christine Dawn Carroll, Milford Station, N. S.
Arthur James Hustins III, Bedford, N. S.
John Kevin MacQuarrie, Kentville, N. S.
Lloyd Ronald McLean, Pictou, N. S.
Katherine Elizabeth Roach, Grand Falls, N. B.
Patricia Lorraine West, Truro, N. S.

SPECIAL EVENTS AT N. S. A. C.

College Royal '84

The 44th College Royal was held under the Chairpersonship of Miss Julie Burton from October 25 to October 28, 1984. The theme of the Royal this year was "A Class Act". On November 7th the College Royal Awards Banquet was held with Ms. Jeannie Van Dyk as the guest speaker.

Career Day '84

N.S.A.C.'s first ever Career Fair was held on November 14 in the Riverview Room, Jenkins Hall. The purpose of this was to give students a first-hand opportunity to meet with representatives of all facets of the agriculture industry. Some of the organizations and associations represented were Co-Op Atlantic, the Prince Edward Island, New Brunswick and Nova Scotia Departments of Agriculture, the Public Service Commission of Canada, Baxter Dairies, Farm Credit Corporation, CUSO and Scotsburn Co-Op Services Ltd.

Winter Carnival

"Wheat me at the Carnival" was the theme this year for Winter Carnival, which was held from February 5 to 10. The weatherman co-operated with plenty of snow. The Chairpersons for Winter Carnival '85 were Sonja Williams and Bill MacLeod.

Founding Day Service

On Sunday, February 10, 1985, N.S.A.C. observed its 80th birthday with a service of worship in the Alumni Theatre. The special speaker for the occasion was Rev. Philippe Thibodeau, pastor at St. Brigid's Church, Parrsboro. Music was provided by the newly formed N.S.A.C. College Chorale and the Wind Ensemble of the CEC Symphonic Band.

LIBRARY REPORT

The library services during the period of this report have improved and established in fine fashion.

The outstanding achievement was in the area of Cataloging. The reconing of books which were on the old system was almost complete. All newly arrived books were cataloged soon after arrival.

The Reference Department, especially the Online Retrieval System which was in the process of being started was effected by the resignation of the Reference Librarian to take on another position. A replacement has been hired. We hope to catch up and re-establish all services performed by the Reference Department.

Another staff member, Mrs. Donna MacArthur, resigned as of May 31, 1985 to relocate in Toronto. She worked with us for 12½ years, and gave the library outstanding service. We will miss her.

The Library Committee was a great help as it has been in the past. All members have contributed in making the services of the library effective and useful.

Prof. Ken MacLean, after eleven years as Chairman of the Library Committee, decided to pass on the torch. He served with great distinction and success. He worked very hard for the library service and played a great role in all the improvements and changes during his tenure, e.g. the planning of the new Library building, changes to L.C. Classification Sytem, changes to online cataloging (UTLAS), etc. We welcome the new Chairman, Dr. Derek Anderson.

It is a pleasure to function in the new Library building. The success the Library has achieved in rendering its various services is largely because of the support and cooperation given by the Administration.

STATISTICS

1.	Books added	1,613
2.	Current Journals	633
3.	Circulation (Loan of Books)	10,820
4.	Visitors to the Library	50,092
5.	Interlibrary Loans	
	Books borrowed	226
	Books loaned	93
	Photocopies obtained	1,429
	Photocopies sent	79
6.	Binding	
	Periodicals	598
	Books	17
7.	Cataloging (New Books & Recon)	13,844

N. S. A. C. SEMINAR PROGRAM

The following seminars were held at the College during the 1984-85 academic year:

DATE	SPEAKERS	TOPIC
September 19, 1984	Mr. Gary Robinson, International Potato Centre Lima, Peru	The International Potato Centre (CIP) and its Programs
October 1, 1984	Dr. Ian Coop	The Livestock Industry of New Zealand: Its Problems and its Comparison with that of North America
October 23, 1984	Dr. David G. Patriquin	Biological Husbandry and the Nitrogen Problem
November 1, 1984	Mr. Steve Myette	Colombia and Agricultural Rural Development of the Cauca Region - ACCC Project
February 25, 1985	Dr. Karl Winter	Selenium & Trace Elements in Animal & Human Nutrition
February 25, 1985	Mr. Gordon Froehlich	Biogenetic and Industrial Development
February 26, 1985	Mr. John Duff	Living and Working Overseas Pros and Cons
March 11, 1985	Dr. A. G. Blomqvist	Issues in Agricultural Policy in Third World Countries
March 19, 1985	Ms. Elizabeth May	Herbicide Trials
March 22, 1985	4th Year Plant Protection and 4th Year Plant Science Students	Tour of Agriculture in Florida
March 27, 1985	Dr. W. Douglas Morrison	The Future of Animal Production in Canada

1984 RESEARCH PROJECT REPORTS

The following projects were approved by the Research Committee:

Project Number	Project Leader	Project Title
84-06	J. S. Bubar	Cereal and Protein Crops
84-07	J. S. Bubar	Forage Crops
84-08	M. L. Connor	Nutritional Stress and Plasma Progesterone in Ewes
84-09	A. R. Robinson	Determination of Selenium in Animal Feedstuffs and Forages in Nova Scotia
84-10	J. Fraser	Evaluation of White Clover/Grass Mixtures for Pasture
84-11	C. D. Caldwell	Rate and Date Effects of PGR's on Barley and Winter Wheat
84-12	C. D. Caldwell	Evaluation of Max Spring Wheat Under Intensive Management
84-14	C. D. Caldwell	Evaluation of Growth Regulator-Fungicide Interaction
84-15	D. L. Patterson	Effect of Beef Cow Condition on Production
84-16	G. C. Smith	Fox Production
84-17	J. Adams	Circular Sheep Shelter with Natural Ventilation
84-18	D. R. Mellish	Winter Wheat Production Techniques
84-19	M. N. Rifai	FMC Carrot Harvester Modifications
84-20	M. G. Sampson	Weed Survey of Nova Scotia Blueberry Fields
84-22	L. J. Eaton	Mycorrhizae in Lowbush Blueberries
84-23	D. M. Anderson	Evaluation of Full Fat Canola Seed in Broiler Diets

Project Number	Project Leader	Project Title
84-24	T. H. Haliburton	Vegetable Variety/Heat Unit Trials
84-25	R. K. Prange	Clonal Selection and Propagation of the Ostrich Fern
84-26	L. J. Eaton	Nutrition and Management Studies on Lowbush Blueberries
84-28	P. R. Warman	Animal Manures, Green Manures and Fertilizers as Complete Nutrient Sources for Field and Vegetable Crop Production
84-29	P. R. Warman	Nutrient Uptake and the Role of Organic Matter in Maintaining Lowbush Blueberry Production
84-30	H-Y. Ju	American Ginseng Production in Nova Scotia
84-31	K. S. MacLean	Arsenic Release from High Arsenic Soil
84-32	G. W. Stratton	Pesticide Effects on Nitrogen Fixation
84-33	G. W. Stratton	Factors Affecting Nitrification in Maritime Soils
84-34	R. K. Prange & John Sipos	Heat Stress Tolerance of Potato Cultivars Measured by Chlorophyll Fluorescence
84-35	J. P. R. Le Blanc	N.S.A.C. Entomological Museum and Research Laboratory
84-38	H. M. MacConnell	A Preliminary Investigation into Analytical Methods for the Determination of Certain Additives, Nutrition Factors and Toxic Factors in Poultry Feeds
84-39	P. A. Dzikowski	Comparative Lowbush Blueberry Production Study
84-40	P. A. Dzikowski	Lowbush Blueberry Data Base
84-41	M. L. Connor	Plasma Progesterone and Vitamin A in Pregnant Ewes

Project Number	Project Leader	Project Title
84-42	H-Y. Ju	Boron Nutrition and Lowbush Blueberry Production
84-43	H-Y. Ju	Triacontanol Studies on Horticultural Crops
84-45	D. M. Anderson	Digestibility Studies Using Nova Scotia Grown Feedstuffs
84-46	R. W. Daniels	Turf Cultivar Evaluation
84-49	A. R. Robinson	Lead and Other Metal Ion Content of Eastern Canada Maple Product
84-50	F. L. Desir & M. N. Rifai	Development of Orchard Mower Floating Extension
84-51	D. C. Grober	Computerized Environmental Control System for Poultry Production Facilities
84-52	M. G. Sampson	Herbicide Pathogen Interactions in Quack Grass
84-53	A. B. Gray	Assessment of Disease in Winter Wheat and Spring Barley in Nova Scotia
84-55	R. K. Prange	Floristic Study of Native Grasses and Sedges of Nova Scotia
84-56	M. L. Connor	Plasma Beta-Carotene and Vitamin A in Beta-Carotene Supplemented Ewes
84-57	D. M. Anderson	Mash Versus Pelleted Diets for Growing Swine
84-58	D. Allen	Vegetable Storage Survey
84-60	J. van der Leest	Land Evaluation Pilot Project
84-61	J. D. Cunningham	Development and Control of a Wood Fired Grain Dryer
84-62	P. Havard	Improved Memory Devices for Computer Controller
84-64	R. W. Daniels	Turf Culture

1984 Statistical Summary

Research Projects were funded from a number of sources. Some of these were at the discretion of the Committee while others were the result of individual initiative. A number of investigative projects are not included. The fund sources are as follows and may or may not be included in these statistics.

Source	Projects/ Grants	Funds $,000.
N. S. Department of Agriculture and Marketing	48	275.
Agriculture Canada	4	70.
NSERC	13	110.
Industry Contracts and Grants	11	68.
Canada-Nova Scotia Agri-Food Development Agreement	3	81.
	79	604.

COLLEGE FARM 1984-1985

CROPS

The 1984-1985 crop year marked the fourth year of a detailed five year rotational cropping plan. 16.4 ha were new seeded to a grass, clover and oat mixture; approximately 14 ha of this was harvested as grass silage. All of the corn seeded (26.5 ha) was harvested as corn silage. 32.3 ha were cut as hay and 37.7 ha were kept in pasture. Approximately 26 ha were seeded to feed grains; winter wheat (10 ha) and barley (16 ha).

LIVESTOCK

Livestock numbers as of March 31, 1985 were:

Dairy Cattle	- Aryshires	52	
	- Holsteins	50	
Beef Cattle	- Herefords	18	
	- Shorthorns	56	
	- Crossbreds	42	
	- Lacombe	31	(on lease)
Sheep	- Traditional	118	
	- Intensive	89	
	- Others	22	
Swine	-	381	
Poultry	- Poultry I	1888	
	- Poultry II	2060	
Foxes	-	39	

DAIRY

Dairy B.C.A. rolling herd averages as of March, 1985 were M164 F171 for Ayrshires and M161 F162 for Holsteins. Milk production for the fiscal period was 283895 L, for a sale value of $103,773.69. Four studies are currently in progress in the dairy barn:

1. Fishmeal and urea are being tested as an alternate crude protein source in early lactation.
2. Source of calcium and prepartum level of nutrition are being examined relation to the etiology of milk fever.
3. Vaginal mucous peroxidase is being tested as a tool for estrous detection.
4. Performance of New Zealand Holsteins selected in a forage based industry are being compared to North American bred Holsteins in a nation wide study.

BEEF

Eighty-seven beef cows calved in 1984 producing 79 marketable calves. Re-breeding was to Lacombe bulls in the case of the Lacombe Shorthorns and yearling heifers and to the Simmental bull for all others. Because of the increase in numbers resulting from the Lacombe importation, 30 (native) cow-calf pairs were summered at Cape John Community Pasture. In comparing the results of breeding to Shorthorn or to Simmental, the following data are of interest:-

	Mean Weaning Weight Per Calf	Mean Weight of Calf Weaned Per Cow	Mean Value of Calf Weaned Per Cow
Bred Shorthorn	206.8 kg	195.5 kg	$332.
Bred Simmental	224.5 kg	187.3 kg	$334.

SHEEP

The trial comparing productivity of the Traditional and Intensive ewe flocks continued with each flock lambing once in 1984 (March and September respectively). Lambing percentages were 158 and 164 respectively. This last figure (164%) represents the first and only time in which the Intensive flock has outproduced the Traditional at a single lambing. However, despite continued success in achieving "accelerated" lambing, the greater output from the Intensive flock cannot carry the greater feed costs involved.

SWINE

The swine unit maintained a herd size of 48 sows and gilts. A total of 958 pigs were born live; average of 20.38 live pigs per sow per year and weaning 17.6 pigs per sow per year. Six hundred eighty six hogs were marketed, averaging 14.3 hogs per sow per year. Approximately 48% of the hogs marketed at index 105 and better, 19% between index 102-103, 27% at index 100 or lower and 6% as sows, boars and gilts. Of the 27% marketed index 100 or lower 65% were index 80, the majority of these hogs were from Nappan test. A cooperative agreement for purposes of Swine Research resulted in 319 of the hogs marketed being fed at the Nappan Experimental Farm on several feeding and management experiments.

Various student projects and course laboratories heavily committed the breeding herd and starter pigs for teaching purposes. Several research projects were carried out: The sow herd was used to evaluate a canola meal diet; nursing pigs were used in an essential fatty acid

study; growing-finishing hogs were used in an evaluation of a full fat soybean diet and the digestion crates were used for determination of digestible nutrients in locally available feedstuffs. The completion of the new starter pig rooms has allowed for separation of the nursing sows and starter pigs, vastly imporving the unit in terms of the commercial industry.

POULTRY

Three broiler flocks totalling approximately 8000 birds were grown during 1984-85. One of these was associated with a project concerning the scabby hip problem. Two were required for teaching purposes. 1800 Leghorn layers were involved in the second phase of a study of the interaction of genotype, housing and debeaking. A study of intermittent lighting involving another 500 layers was completed in 1984. A computer control system recently installed in Poultry II to control the physical environment is currently being evaluated.

FOXES

Phase I construction of the Fur Unit was initiated in 1984. Individual pens for 47 vixens and 18 males as well as breeder/pellter shed were erected. Eighteen of the 26 vixens were bred during the first breeding season of the unit. Semen was collected from males throughout the season and selected samples were frozen for future assessment. Projects to compare fox performance as influenced by housing system, type of feed and frequency of handling will begin in Spring 1985. Future expansion in building and animal numbers will facilitate continuation of these and other projects in physiology, nutrition, behavior and genetics.

SUMMER CONFERENCES

The 1984 Conference Season was most successful, although fewer conference groups were hosted than in the previous year. In addition to the conference groups, a total of 81 guided tours of the campus were provided. Following are the groups who held conventions on campus in 1984:

Adult Vocational Staff Training
Single Parent Conference
Presbyterian Men's Conference
Nova Scotia Camping Association
Nova Scotia United Way Conference
Nova Scotia Rughooking School
Volleyball Nova Scotia
Nova Scotia 4-H Clubs
Women's Institute of Nova Scotia
Co-Op College of Canada
N. S. Federation of Senior Citizens & Pensioners
Anglican Journey of Faith
Nova Scotia Mental Health Association
Clans Conference
Presbyterian Women
Women Aglow Retreat
Golden Age Car Club
Maritime Ladies Barbershop Harmony Convention
Atlantic Seminar in Theological Education
St. John Ambulance Field Day
United Church Conference
Nova Scotia Pentecostal Ladies Retreat
Nova Scotia Association of Garden Clubs
Association of Registrars
Nova Scotia Hockey School
Spartans Gymnastic Camp
Nova Scotia Summer Music Camp
Nova Scotia Music Day School
Yearbook Workshop
NSAC Girls Basketball Camp
Nova Scotia Drama League
NSAC Boys Basketball Camp
Canada World Youth - Sri Lanka
Alumni Weekend & Open House
Salem State (USA) Geology Field School